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Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=8; day=20; hr=15; min=3; sec=27; ms=320; ]

=====

\*\*\*\*\*

Reviewer Comments:

<210> 15

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<220>

<221> misc\_feature

<222> 4

<223> N = tetrafluoroindole

<400> 15

ctgntagcct ctggatttga

20

FYI: "n" can only represent a single nucleotide, nothing else. This use of "n" also appears in subsequent sequences.

\*\*\*\*\*

Application No: 10592919 Version No: 2.0

**Input Set:**

**Output Set:**

**Started:** 2008-08-20 13:19:57.478  
**Finished:** 2008-08-20 13:19:59.363  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 885 ms  
**Total Warnings:** 47  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 48  
**Actual SeqID Count:** 48

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 251	Found intentionally skipped sequence in SEQID (9 )
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
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W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)

**Input Set:**

**Output Set:**

**Started:** 2008-08-20 13:19:57.478  
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**Total Warnings:** 47  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 48  
**Actual SeqID Count:** 48

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (22) This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Michael, T. Migawa  
Walter F. Lima  
Eric E. Swayze  
Joshua Nichols  
Hongjiang Wu  
Thazha P. Prakash  
Tadeusz Krzysztof Wyrzykiewicz  
Balkrishen Bhat  
Stanley T. Crooke

<120> COMPOSITIONS AND METHODS FOR OPTIMIZING  
CLEAVAGE OF RNA BY RNASE H

<130> CORE0037USA

<140> 10592919  
<141> 2008-08-20

<150> PCT/US2005/008428  
<151> 2005-03-15

<150> 60/609,516  
<151> 2004-09-13

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<151> 2004-04-29

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<210> 3  
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<400> 10

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<210> 11

<211> 12

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<210> 12

<211> 19

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cgagaggcgg acgggaccgg

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<210> 13

<211> 21

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<210> 14

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<220>

<221> misc\_feature

<222> 1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 14,  
16, 18, 19

<223> Bases at these positions are RNA

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cggccccgtc cgccctctcg t 21

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<400> 17  
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<210> 18  
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<211> 20

<212> DNA

<213> Artificial Sequence

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<223> N = N-3-methyl-2'MOE-thymidine

<400> 21

ctgcnagcct ctggatttga

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<210> 22  
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<400> 24  
ctgctagcct ctggntttga 20

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<210> 29

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<222> 7  
<223> N = 2'-ara-fluorothymidine or pseudouridine or  
2'-fluorothymidine or 2-thiouridine or  
2'-S-methylthymidine or 4'-methylthymidine or  
3'-methylthymidine

<400> 29  
ctacgcnttc cacgcacagt 20

<210> 30  
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<221> misc\_feature  
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2'-fluorothymidine or 2-thiouridine or  
2'-S-methylthymidine or 4'-methylthymidine or  
3'-methylthymidine

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<223> 2'-ara-fluorothymidine or pseudouridine or  
2'-fluorothymidine or 2-thiouridine or  
2'-S-methylthymidine or 4'-methylthymidine or  
3'-methylthymidine or abasic nucleotide or 2,4-F-tolyl

<400> 31  
ctacgcttnc cacgcacagt 20

<210> 32

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<223> 2'-ara-fluorocytidine or abasic nucleotide or  
2,4-F-tolyl

<400> 32  
ctacgctttn cacgcacagt 20

<210> 33  
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linker or adenine with pentyl linker or  
tetrahydrofuran or 4-Me-ben

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<210> 37  
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linker or cytidine with butyl linker or cytidine  
with pentyl linker

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<210> 38  
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2,3,4,5-tetraflourophenyl  
  
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